

Fiscal Analysis of the Proposed 2020 Indiana Residential Code(2018 IRC)

Section, calculation

Cost increase/decrease from

Chapters 1 & 2

0

R301.2.2.10 Achorage of water heaters

8 X 153/county =1224 structures X \$25 = 30,600 savings

-30,600

R304 Minimum room sizes (one room sized at 120 SF removed, now 70 SF or a savings of the cost of 50 SF, and reduced builders \$110 SF cost to \$90 for this type of room)

14068 x 50=703,400 SF X\$90.00 = \$63,306,000

-63,306,000

R310 Basement escap and rescue openings (1/3 of house have basements)

4690 X .90 (10% of houses have a basement bedroom) 4221 houses X 2,400 = \$10,130,400

10,130,400

R310.2.2.3 Drainage (drains for window wells)

4690 X \$25.00 = \$117,250

117,250

R315 Carbon Monoxide detector

14068 X \$50 = \$703,400

703,400

Table R404.1.2(1) Horizontal reinforcing (basement retaining walls)

320'x.75=\$240 x 4690 = \$1,125,600

1,125,600

R602.10.8.2 Connections to roof framing

14,068/2 = 7,034 (houses affected) X 10 (estimated #of braced wall panels) X \$25 (per panel) = \$1,758,500

1,758,500

R905.2.1 Ice barriers (rake edge, estimate 40 % of house will have a roof pitch 8/12 or higher, 2 gables on 24' wide house)

14,068 X .40 = 5627 X 56' (linear ft) X 3' (width)= 945,336 SF X \$4.37 = \$4, 131,118

4,131,118

Tables N1102.1.2 & N1102.1.4 CZ4 sidewall R-value increase(R13 increased to R15)

4590 houses X 1280SF/house=5,875,200 SF X\$.20= \$1,175,040

1,175,040

P2603.2.1 Plumbing protection

14,068 X 20 extended plates per house = 281,360 plates X \$5.00 = \$1,406,800

1,406,800

E3609.3 Bonding for communications systems (IBT)

14,068 X \$15.00 = 211,020

211,020

E3902.16 Arc-fault circuit-interrupter protection

14,068 X 10 circuits X \$35 = \$4,923,800

4,923,800

-37,653,672.00

1 2005 InRC